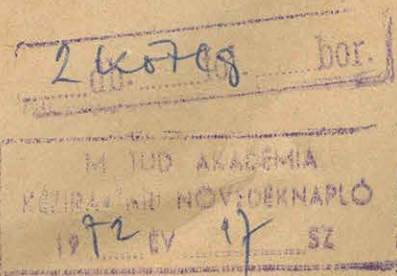


M. 5097/53-54. Eötvös Loránd Folyóirat
felhívás fordításra



A fogóhorgy ether térfogata.

$$V = 3614,48 + \text{mennyiség}$$

$$r = 2,725$$

$$a = 2,228$$

$$\frac{r}{a} = 1,672 \quad \frac{h}{a} = 0,2960 \quad h = 0,6612$$

$$u = \pi a^2 r - \pi r^2 h = 58,55 - 28,98$$

$$\text{mennyiség} = 29,57$$

15°5' mértékű ~~29,57~~ $V = 3644,05$ mennyiség

Így alakítottam

$$C_{\text{rő}} + \text{ether} - C_{\text{rő}} - \text{levegő} = 2627 \text{ milligramm}$$

$$\text{ether tömege} = 2627 + \text{levegő}$$

$$\text{levegő} = 8,93 \times 1,2 = 10,7 \text{ milligramm}$$

$$\text{ether tömege} = 2637,7$$

$$\text{A gáz térfogata} = 5286,74$$

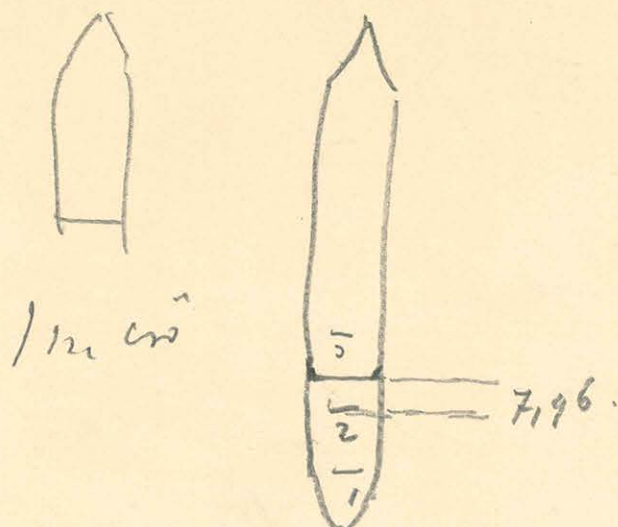
$$1 \text{ köbcentiméter ether gáz } 15^{\circ}5' \text{ mértékű } 1,49 \text{ milligramm}$$

$$\text{ether gáz tömege} = 7,9 \text{ milligramm}$$

$$\text{Így alakítottam} \quad 2629,8$$

$$\rho = \frac{2629,8}{3644,05} = 0,7217$$

A fűző Cs rész térfogata. benne étár



15°5' belármint.

Által térfogata

$$\begin{aligned} &= 1226,74 + \text{meniskom} \\ &+ 7,96 \times 47,237. \end{aligned}$$

$$= 1,226,74 + 376,01 + \text{meniskom}.$$

$$a_{22}^2 = 4,814$$

$$a_{15,5}^2 = \frac{4,980}{4,990}$$

$$a_{15,5} = 2,234$$

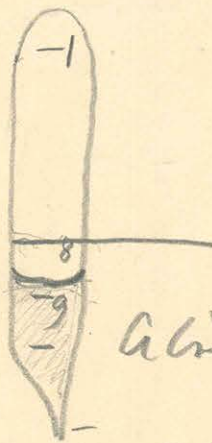
$$\frac{r}{a} = 1,738$$

$$\frac{h}{a} = 0,2700$$

$$h = 0,6032$$

$$u = \pi a^2 r - \pi r^2 h = 50,86 - 28,56 = 32,30$$

Teljes 15,5°-nél a étár térfogata = 1635,05 - Hő m.m.



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$$\text{Alkalmaz térfogata} = 1635,05 + 14,62 \times 47,50 - \text{meniskom}$$

$$8 \text{ Tel} - \text{A Csúcs befér} = 2297,20.$$

A) étár rész lömög
(més rész lömög)
mellé

Szférakörhöz a középső
és étárul belk csúszón

1182 mgr.

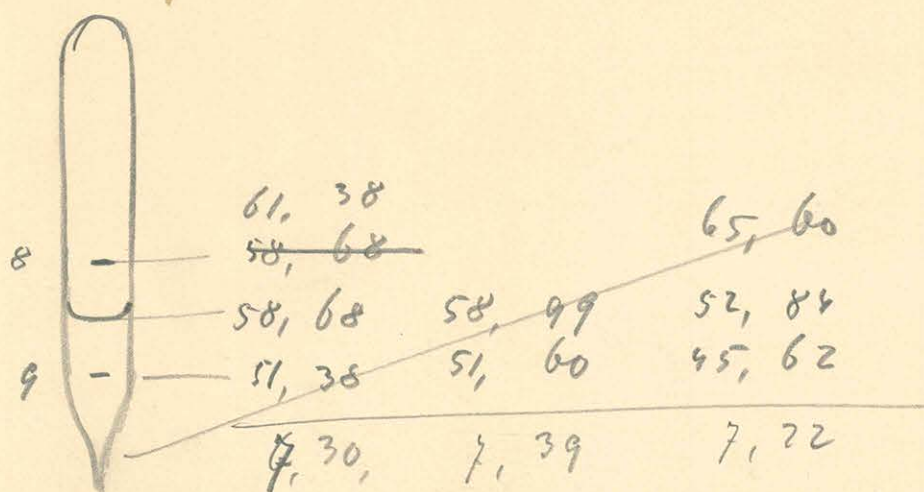
A csúcs teljes lömög 17 mgr.

$$\begin{aligned} \text{Teljes étár lömög} &= 1170 \text{ mgr.} \\ &= 1199 \text{ mgr.} \end{aligned}$$

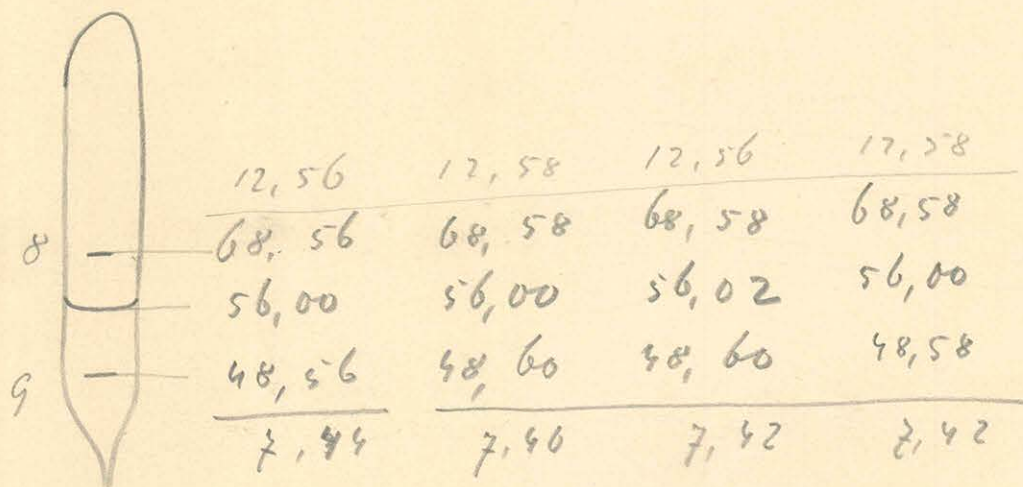
Trávník cső aetherrel

Forró vízben

Temp. 96,8



Temp. 96,8



$$V = \left(1 + \frac{27}{10000}\right) 2298,70 - 12,57 \cdot \left(1 + \frac{18}{10000}\right) 47,45 + 22,1$$

$$V + W = \left(1 + \frac{27}{10000}\right) 9240,83$$

hogyin $\frac{1}{400}$

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$$V = 2004,9 - 597,5 + 22,1$$

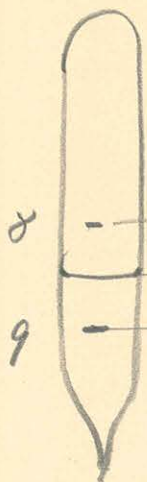
$$V = 1733,8$$

$$V + W = 9258,1$$

$$W = 7524,3$$

Torre amygdalifolius gürben Mar. 15

temp.



	14,55	14,54	14,54
8	37,80	37,78	37,78
	23,25	23,24	23,24
9	17,77	17,76	17,76
	5,48	5,48	5,48

2298,8



			14,26
8			127,36
	113,16	113,10	113,10
9	107,40	107,40	117,39
	5,80	5,80	5,81

Ura entelae Mar. 16
temp. 129,5



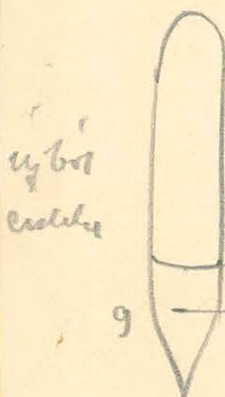
				10m. water
8	100,84	100,86	100,84	100,82
9	95,09	95,08	95,06	95,06
				5,72
				5,71

2307,1

679,2

$$1) \quad 1645,0 = V = \left(1 + \frac{36}{10000}\right) 2298,8 - 14,28 \left(1 + \frac{24}{10000}\right) 47,45 + 17,1$$

$$9243,3 = V + W = \left(1 + \frac{26}{10000}\right) 9210,2$$



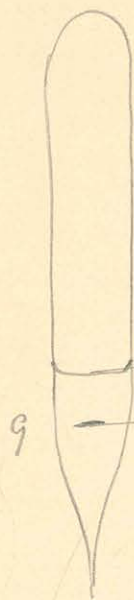
8	65,60
9	59,72
	5,88

$$\begin{aligned} \frac{1}{1000} \text{ added } V &= 1648,9 \\ V + W &= 9266,4 \\ W &= 7617,3 \end{aligned}$$

$\mu = 1193$

Ferru' vizgözeu

temp



3h. 0m
 92,30 92,28 92,26
 84,85 84,85 84,85
 —————
 8,45 8,41

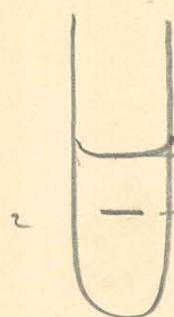
3h. 10m
 92,18 92,20
 84,82 84,88
 —————
 8,31 8,32

3h. 20
 92,24 92,24
 84,93 84,92
 —————
 8,31 8,32

1. mérési

forró alkoholban

temp. 78,5



63,08	63,07
52,86	52,86
<u>1022</u>	<u>1021</u>

$a^2 = 3,463$
 meniscus = 26,95

Meniscus

26
 98 min 372

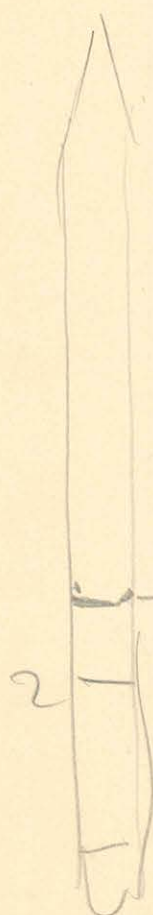
95
 22 min 373

Ura beállítás

55
 82 min 373

83
 56 min 373

temp. 78,5



temp. 14,2

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 KÖNYVTÁRA

64,06 64,06

56,14 56,15

7,92 7,91

2
 71 min 431

74
 6 min 432

$$V = 1226,74 + 7,92 \times 47,237 + \text{men.} \\ 374,1 + 30,3 = 1631,1$$

$V = 1631,1$
 14,3

14,0 min

$V_{14,0} = 1631,1$

temp. 14,4

14°3



80,46	80,47
<u>65,75</u>	<u>65,76</u>
14,71	14,71

25	432
93 min	
92	432
29 dec	

$$C_{\text{mes}} = \text{Radius testol} + 14,71 \times 47,85 - \text{margin}$$

$$= 1600,8 + 698,0$$

$$C_{\text{mes}} = 2298,8$$

1 cm - m. - vert. surface
testol

47,450

47,382

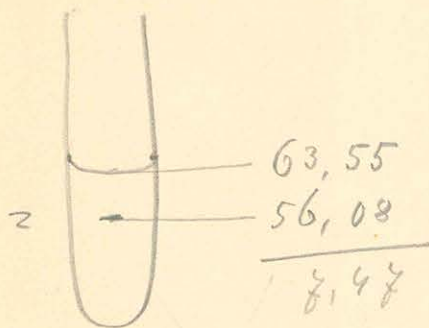
47,232

	2298,8
8	1898,07
6	1893,84
4	1892,78
2	1276,74
<hr/>	
	9210,23
	1631,1
	<hr/>
	7579,1
	9248

v

Olvasó jegyben

temp. 1,2 - 0,3



Merítés

96 445
41 min

38 442
96 min 442 442

0 443
43 min

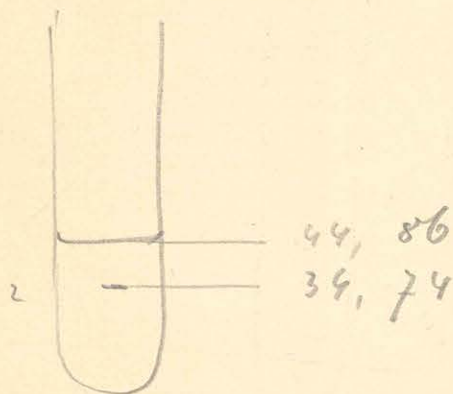
$$V = 1226,74 + 7,47 \times 47,237 + \text{merítés}$$

$$\text{merítés} = 33,7$$

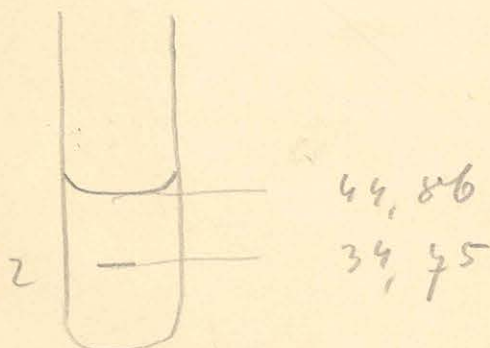
$$V = 1617,2 \quad \frac{1}{400} \text{ al ejtve}$$

forró alkoholban

temp. 77,8



temp. 77,8



Olvasó gyűjtemény

Temp. 47-0,2



130,70

123,14

2,56

120,70

123,12

2,58

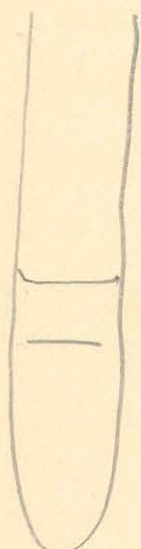
MAGYAR
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KÖNYVTÁRA

Glycerinben

Mercur 6.

Ismi este cao.

102,2



74,66
264,72
74,66

előre	50	245	
	95		
hátra	89	248	346
	41		
előre	48		m = 1,73
	93	345	
hátra	87		
	40	247	

$$f_{25} = 1226,74 + 9,94 \times 47,237 + \text{min h}$$

hengeren korrekcióval 0,000 013 literen hengerben.

$$V = 1230,05 + 9,92 \times 47,207 + \text{min h} + 468,59 + \text{min h}$$

min h $\frac{m}{a} = 0,446$ $\frac{m}{a} = 1,0304$

~~1,686~~ $a = 1,679$

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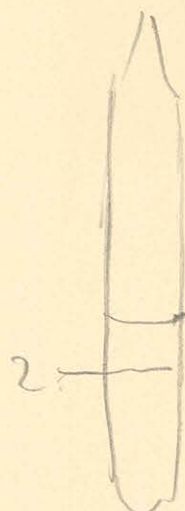
min h, $t = 27,8$

~~1230,48~~ + $V = 1721,4 \text{ kg.m.m.}$

$V + W = 9233,5$

$W = 7512,1$

Temp. 111°C .



$$\begin{array}{r} 73,48 \\ 63,86 \\ \hline 9,62 \end{array} \quad \begin{array}{r} 73,48 \\ 63,86 \\ \hline 9,62 \end{array}$$

Mercury		
ch	63	332
	95	
	90	332
	58	
	65	332
	95	
	89	332
	57	
		1,66

$$v = 1230,43 + 9,64 \times 47,227 + \text{mercury}$$

$$m = 1,66 \quad r = 3,882 \quad \frac{m}{r} = 0,428 \quad \frac{m}{a} = 1,0390$$

$$a = 1,598$$

$$v = 1226,74 + 9,62 \times 47,227 + 20,0$$

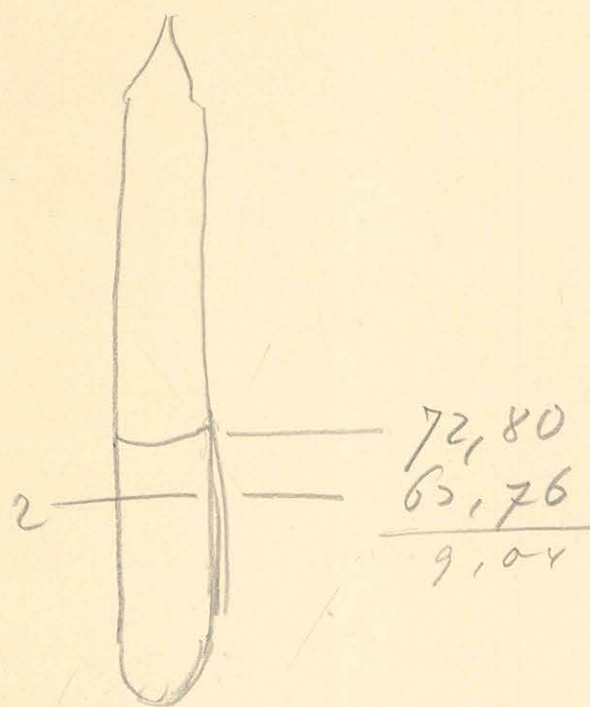
$$1220,42 + 455,32$$

$$v = 1706,0$$

$$v + w = 9206,2$$

$$w = 7530,2$$

120° 5



mean km

85
3 318 218,5

98
319

79 $m = 1,5924$

85
3 } 218

97
78 } 319

$$v = 1230,83 + 9,06 \times 47,227 + m \cdot km$$

$$m = 1,592 \quad \frac{m}{r} = 4,101 \quad \frac{m}{a} = 1,0463$$

$$a = 1,522$$

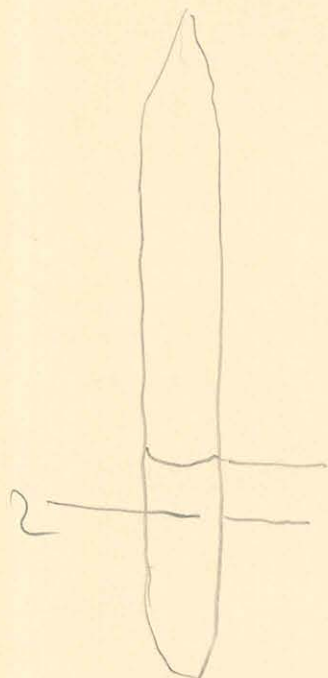
$$v = 1226,74 + 9,04 \times 47,222 + 18,8$$

$$\begin{array}{r} \cancel{1234,1} \\ 1230,8 \end{array} \quad 427,96$$

$$v = 1677,6$$

$$\begin{array}{r} v + w = 9238,9 \\ \hline 7561,3 \end{array}$$

122,6



$$\begin{array}{r} 71,90 \\ 64,10 \\ \hline 7,80 \end{array}$$

$$\begin{array}{r} 17 \text{) } 293 \\ 24 \end{array}$$

$$\begin{array}{r} 29 \text{) } 292 \\ 21 \end{array}$$

$$\begin{array}{r} 17 \text{) } 293 \\ 24 \end{array}$$

1,463

$$v = 1226,74 + 7,8 \times 47,207 + 17,2$$

$$1221,1 \quad 269,22$$

$$v = 1617,6$$

$$v + w = 9241,6$$

$$w = 7624,0$$

Élye. I. számú cső

mű mé 6.

1 óráig a h. megfűtött hőfok

104,2 Celsius

2



71,56
64,06

7,50

~~81~~ 78
~~72~~ 70

72 297
65

60 195 194
65

70 290
60

1,470

$$V = 1226,74 + 7,5 \times 47,207 + 16,6$$

1221,1 255,20

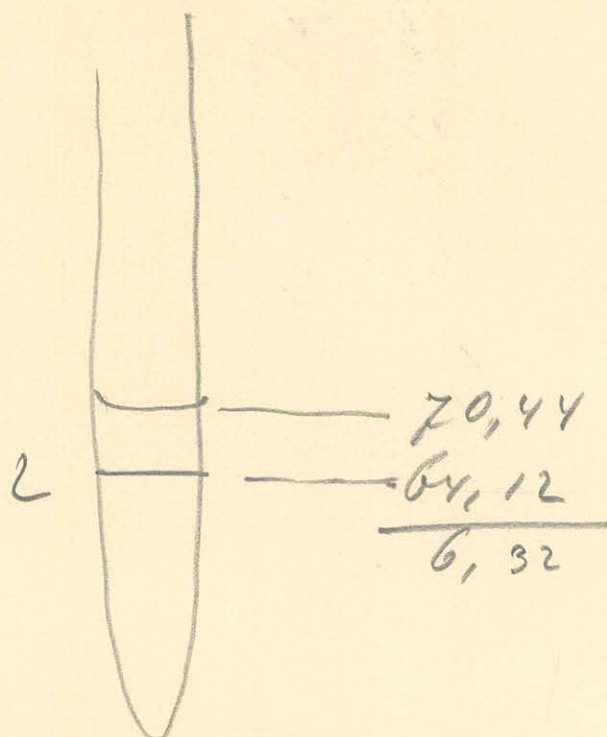
$$V = 1602,9$$

$$V + W = 9241,6$$

$$W = 7638,7$$

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142° 0



Mean

40 274
14

10 275
35

40 274
14

1,370

$$v = 1226,74 + 6,32 \times 47,257 + 15,5$$

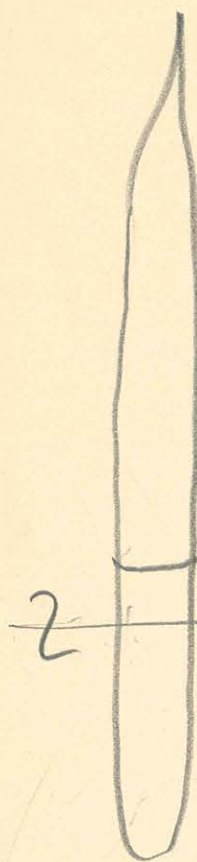
$$1231,5 + 299,38$$

$$v = 1546,4$$

$$v + w = 9244,4$$

$$w = 7698,0$$

150,0°



$$\begin{array}{r} 67,26 \\ 64,08 \\ \hline 3,28 \end{array}$$

$$\begin{array}{r} 97,249 \\ 46 \end{array}$$

$$\begin{array}{r} 40,249 \\ 91 \end{array}$$

$$\begin{array}{r} 95,249 \\ 44 \end{array}$$

$$\begin{array}{r} 9 \\ 48 \\ \hline 57 \end{array}$$

$$1,245$$

$$v = 1226,24 + 3,28 + 12,0$$

$$1221,8 \quad 155,40$$

$$v = 1399,2$$

$$v + w = 9247,2$$

$$\begin{array}{r} 9247,2 \\ \hline w = 6848,0 \end{array}$$

163,2



64, 0?

62,50

71 217
88

82 218
64

65) 217
82

1,085

$$v = 1226,74 - \frac{1,80}{85,00} \times 47202 + 9,4$$

1222,1

8.

$$v = 1156,2$$

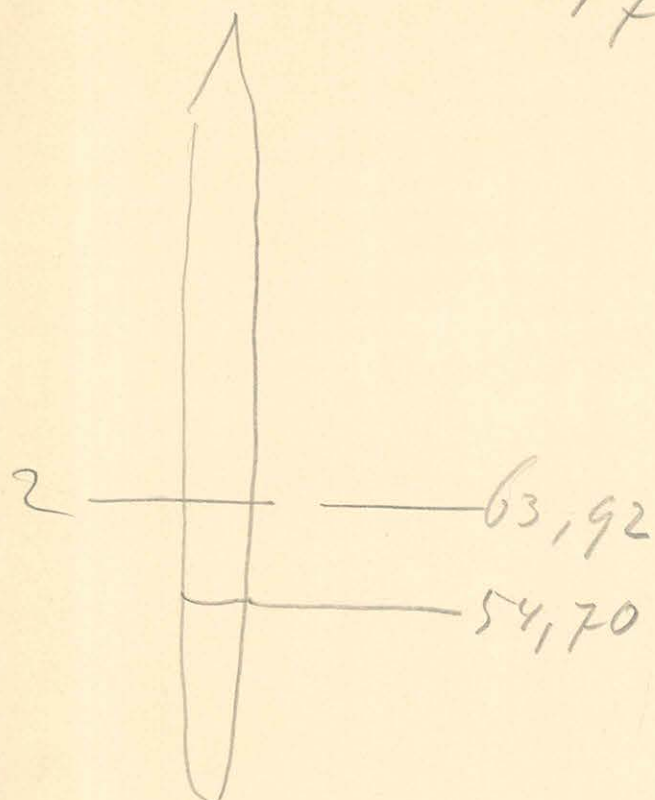
$$v + w = 9250,0$$

$$w = 8093,8$$

Glycerinben I. fázisú

mérés 6.

174°5' C.



Merítés
1
66) 165

59) 165
94

58) 165
62

0,825

$$v = 1226,74 - 9,22 \times 47,207 + 4,0.$$

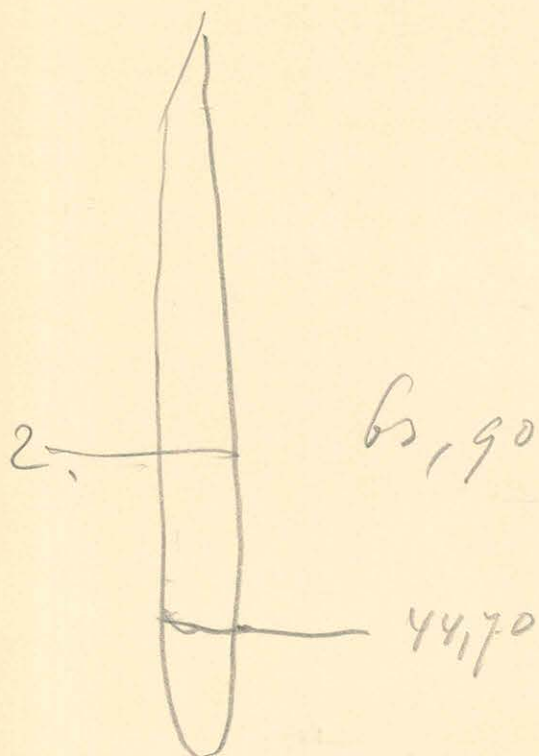
1232,5 407 p1

$$v = 799,5$$

$$v + w = 9252,7$$

$$v : w = 8453,2$$

187°C



homologous

56 122
18
75
51 122

$$v = 1226,74 - 19,2 \times 47,227 + 2,7$$

1232,8 910,22

$$v = 725,3$$

$$v + w = 9255,5$$

$$8930,2$$

Prüfung 182°C mit $uR 5 = \frac{1181,7}{9214} = 1,293$

Lehrbuch der Physik 5h. 10. 21m.

~~44,70~~ ~~180°5'~~

5h. 20^{min} 179

Jo
meisling

95 157
28

5h. 47. 178,3

45, 115
10

~~2~~ 43,28

~~54,70~~

174,56 meisling allen 51,26

meisling $\frac{82}{50} = 167$ 46 169
77

6h. 5h. 54,70 in 171° E.

162° C.

6h. 22min 62,50 in 162° C.

(meisling 80 92 214 78 217.)

151,5 C. 67,36 (152,0) 6h. 55

140,4 70,44 (142,0) 7h. 20

71,56 (124,0)

72,80 (120,5)

72,48 (111,4)

Ag. ist. Länge = 11.93 mgl. 1193 mgl.

a für Winger $w = 8204,22 \text{ kg} - 7573,58 \text{ kg} = 630,64 \text{ kg}$

Omnes besygd $v + w = \cancel{9829,25 \text{ km}} \cdot 9208,63 \text{ km}$

a 1 trip is undigested 15 June $\mu = 231$

$$3,3115 \cdot \frac{221}{760} \cdot \frac{270}{288} = 0,9544$$

hauin 2 p.

p. 367 taken

1 köte sthuzi iya

$\frac{361}{221} 0,95412 \quad 1,49 \text{ mgr.}$

7.22
 White Swan born ~~7.26~~ m. 1185.8
 1185.8 ~~1186.8~~ = ~~1186.8~~ m. 1185.8, a figure

live on eye ~~11606~~
~~Passer~~ ~~970922~~

$$s = \frac{1185,8}{1635,05} = \frac{0,72524}{1} = 0,72524$$

~~1/20 in. length - 12.5% $\frac{1}{2}$ 1,00125~~

length 14.5 10025 + 10029

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$$= 1,0026$$

+) tekiz van 16,3 miljoen - alsof zij is in

1187,7 m. Hg. Zugend 3

$$s = \frac{1181,7}{1635,05} = 0,7227$$

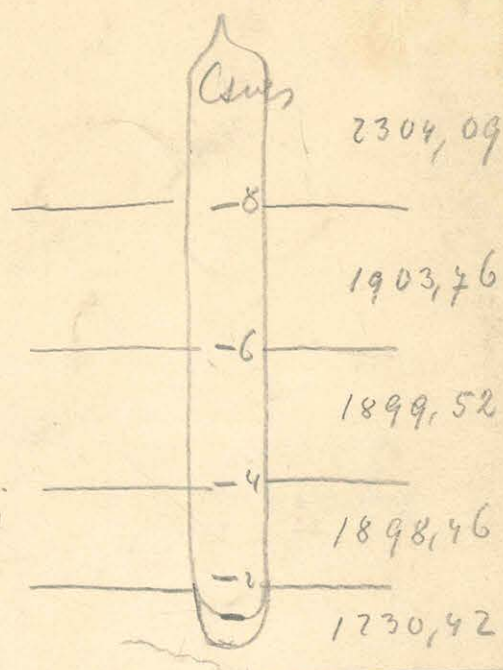
Temperatura 100°C
~~99.2~~

1 m. m. mer.
 mérföldi tartomány:

47,545

47,477

47,331



Összes tartomány $V = 9236,25$

A felgépítés és a felgépítés

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 KÖNYVTÁRA

$$V = 1230,42 + 10,18 \times 47,331 + 0,2 \times 47,331 + m$$

$$V = 1713,20 + m$$

minimális felgépítés $m = \pi a^2 r - \pi r^2 h$ $r = 2,885$

$$\frac{r}{a} = 2,35$$

$$\frac{h}{a} = 0,1226$$

$$a^2 = 2,700$$

$$a = 1,653$$

$$m = 32,26 - 9,610 = 23,75$$

$$V = 1736,95$$

$$W = 7499,30$$

$$p = 1193 \text{ m. lgr.}$$

János Cs. és Alakulat

-71°C

minimális mérety = 2,405

$$r = 2,882$$

$$\frac{r}{m} = \frac{1,614}{1,200}$$

$$\frac{r}{a} = 1,450$$

$$a = 2,677$$

$$a^2 = 7,168$$

felgépítés $V = 1226,74 + 5,26 \times 47,237 + \text{minimális}$

minimális tartomány = 87,414 - 50,189 = 37,225

$$\frac{m}{o} = 92,601$$

$$V = 1512,44$$

$$s = 0,7888$$

$$f = 2,827$$

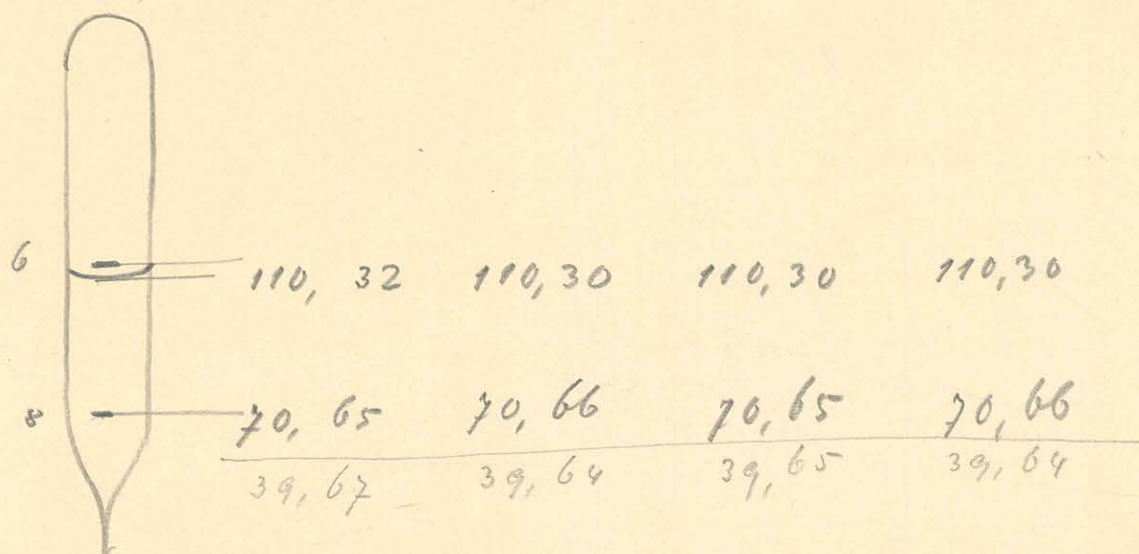
$$d^2 = 58,284$$

$$d^2 = 42,75$$

$$\frac{d^2 - d^2}{71} = \frac{15,53}{71} = 0,219$$

II. naini' esv'
 lemp. 96,8

korri' urben



$$V = \left(1 + \frac{27}{10000}\right) \cdot 2314,7 + 39,65 \left(1 + \frac{18}{10000}\right) 45787 + 22,1$$

$$V + W = \left(1 + \frac{27}{10000}\right) 8955,7$$

$$V = 2020,2 + 1818,7 + 22,1$$

$$V = 4141,4$$

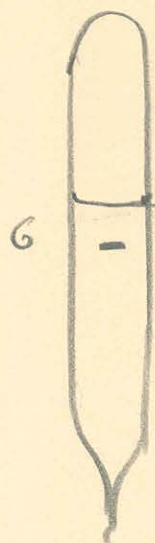
$$V + W = 9001,9$$

$$W = 4830,5$$

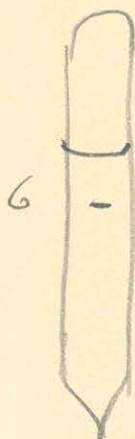
MAGYAR
 FUDOMÁRTOS AKADÉMIA
 KÖNYVTÁRA

Ferro anhydridetol gőzben

temp. 130,0



6	-	81,04	81,03	81,02	81,02
		75,82	75,83	75,82	75,83
		5,22	5,20	5,20	5,19

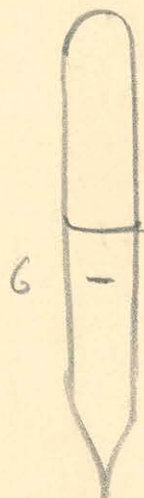


161,38
155,90
5,48

Ugra enklér

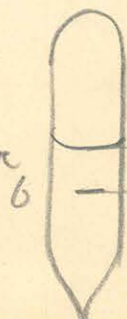
Ferro anhydridetol gőzben

temp. 129,5



							10m. után
6	-	85,22	85,24	85,24	85,26	85,28	85,30
		80,80	80,80	80,82	80,80	80,82	80,81
						4,49	4,49

Ugra enklér



49,68	10m. után	49,72	10. minit
45,30	49,70	45,30	49,74
4,38	4,40	4,42	4,44

427,4158,0

204,0

$$4379,1 = V = \left(1 + \frac{26}{10000}\right) 4143,1 + 4,46 \left(1 + \frac{24}{10000}\right) 45,621 + 17,1$$

2)

$$8986,2 = V + W = \left(1 + \frac{26}{10000}\right) 8954,89$$

~~hagyományos~~
1/400 ad huzmndm

$$V = 4390,0$$

$$V + W = 9008,7$$

$$W = 4618,7$$

$$v(1+d)^3$$

$$p = 2622,0$$

Torvó vizgözben
temp.



4h. 5m.
71,15
70,95
0,20

4h. 15m.
71,16 71,16
71,00 71,01
0,16 0,15

4h. 20m.
71,16 71,16
71,07 71,07
0,09 0,09

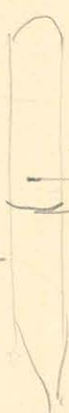
4h. 25m.
71,16 71,16
71,08 71,09
0,08 0,08

4h. 30
71,16
71,1
71,1

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA



4h. 40
71,55
71,15
0,40



4h. 45 4h. 50
71,15 71,15
71,00 71,05

II. 'närm' cö'

temp. 100,1 - 0,4

Meriskus.

Men

18

61 clon 343

59

16 vire 343

Ugra beállítás optikamunkatörrel

95

54 min

341

34225

59

1 clon

342

II. cö forró alkoholban

temp. 78,9° - 0,6.

Meriskus

Meriskus

91

63 clon

372

60

89 vire

371



86,88 86,84 86,86
84,80 84,80 84,80

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KÖNYVTÁRA

~~12~~

13

81 clon

368

78

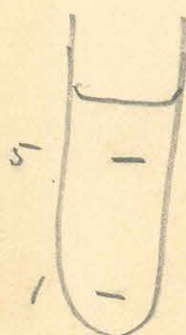
9 vire

369

II. cö forró vízben

temp. 99,6 - 0,5

99,1



18,32 18,30 18,31
13,16 13,15 13,15

5/116

$$V = 2983,86 + 25,18 \times 45,621 + 22,1 = 4165,1$$

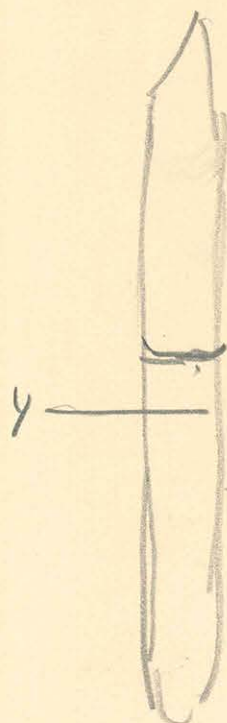
$$2991,9 + 1151,1$$

$$V + W = 8978,0$$

$$W =$$

Teng. 13,8

13°9.



105,82	105,82
92,60	92,60
<hr/>	
	13,22

men. $\frac{87}{18}$

4315

$a^2 = 5,244$

$$V = 2983,86 + 13,22 \times 45,641 + m.$$

$$\frac{9857,23 + m}{2587,22 + 30,28}$$

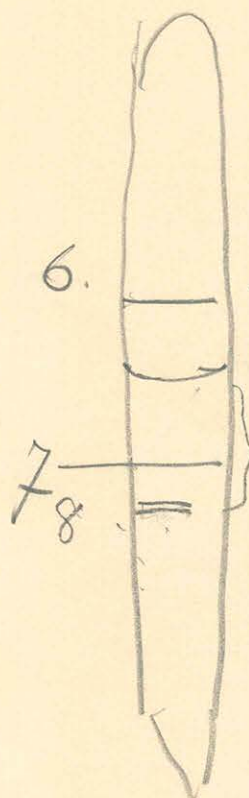
$$V = 3617,61$$

13

81

402

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

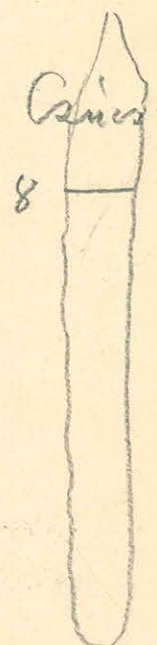


6.	-120,10	120,10
	107,96	107,95
	<hr/>	
	12,14	

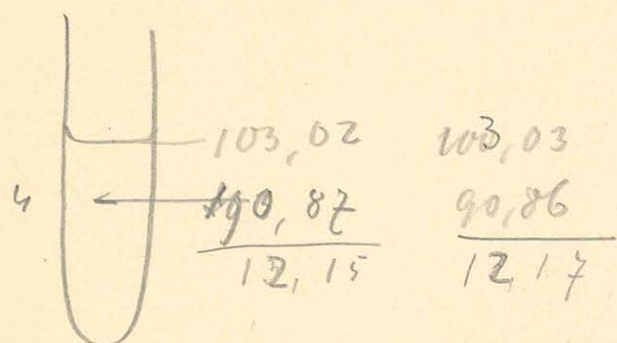
$$C_{\text{mcs}} + 27,80 \times 45,787 + m =$$

$$C_{\text{mcs}} = V - 27,80 \times 45,787 - m$$

$$C_{\text{mcs}} = \frac{2584,23}{= 2314,3}$$



olvasó jzben
temp. 1,3 - 0,2



kelemen,

52
96 din 444

443,5

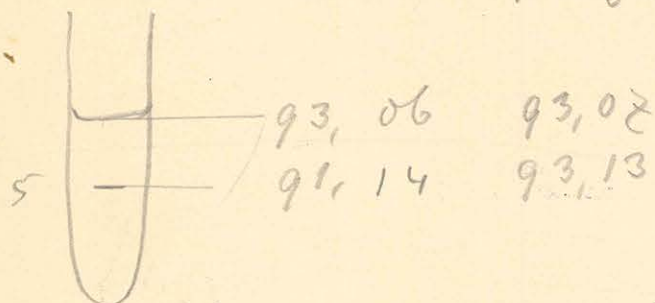
95
52 din 443

$$V = 2983,86 + 12,16 \times 45,631 + \text{men.}$$

~~for~~ (+ $V = 3581,3$ $\frac{1}{800}$ kg/dm³)

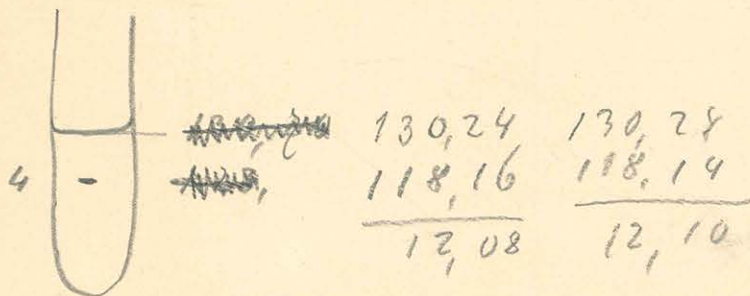
foró alkoholban.

temp. 72,8



olvasó jzben.

temp. 1,3 - 0,2 temp. 2,6 - 0,2



2. kammis esõ sõja ühesen

Wõrgu alata ühesen : 4,00

2,6 5,2

2,8 5,6

2,8 5,5

2,9
2,78

$$\text{Ergonul} = \frac{2,78 + 5,00}{2} = \frac{7,78}{2} = \underline{\underline{4,19}}$$

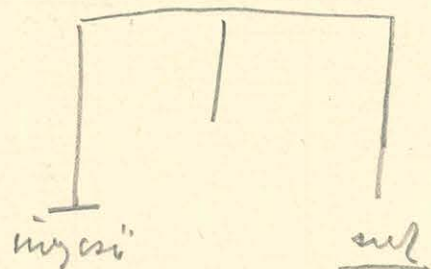
3,5 5,0

3,5 5,0

3,6 4,9

3,6

3,55 4,97



$$\frac{3,55 + 4,97}{2} = \frac{8,52}{2} = \underline{\underline{4,26}}$$

Wõrgu: ~~34,79~~ 34,801

3,6 4,4

3,6 4,4

3,6
3,60 4,40

Ergonul 8,400

Wõrgu = 34,802

34,8020

2. Nagy cső + alatta szála

3,4

5,1

3,4

5,0

3,5

5,05

3,43

Expung =

$$\frac{8,48}{2} = \underline{4,24}$$

Uraen agul

4,19

0,05

Nedye 37,413 gr.

Suz = 37,4132 gr.

3,5

4,4

3,6

4,4

3,6

4,3

3,7

3,60 4,37

Expung =

$$\frac{7,97}{2} = \underline{3,99}$$

Nedye = 37,414 gr.

~~Nagy cső.~~

Suz - csővel felmerítve

4,5

5,8

4,5

5,8

4,50

5,7

5,78

Expung =

$$\frac{10,28}{2} = \underline{5,14}$$

Nedye 37,414 gr.

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KÖNYVTÁRA

4,0

4,7

4,0

4,7

4,1

4,033

4,7

$$\frac{8,73}{2} = \underline{4,36}$$

Uraen agul: 4,19

0,18

- 0,002 gr
Nedye 37,411 gr.

Suz 37,4103

3,53

3,5

4,9

3,5 4,8

3,6

3,53 4,85

Nedye csővel

$$\frac{3,53 + 4,85}{2} = \frac{8,38}{2} = \underline{4,19}$$

Wady inren

$$\underline{2. \text{Woy esö} + \text{adder} = 37, 4122 \text{ gr.}}$$

$$\underline{\text{Woyö} + \text{Woy esö} \text{ wren} = 34, 8010 \text{ gr.}}$$

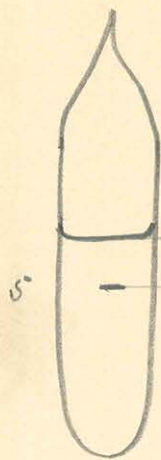
$$\underline{\underline{\text{Adder wren} = 2, 6112 \text{ gr.}}}$$

2. számú cső glycerinben

Merül. 8

~~9. számú cső~~

Temp. 102,2



94,68

88,52

6,11

27,17

Merülés.

67 - 318 1,59

49 vize

55 - 311 1,56

44 vize

43 - 315 1,58

58 vize

58 - 311 1,56

47 vize

46 - 312 1,56

58 vize

900

Ki hőmérséklet elgátlása 372 = 1,665

2. csőben lévő cöllet - súly = 2,6112 gr.

$$v = (0,5) + 45,722 \times 6,11 + \text{men.}$$

~~Merülés mérése = 1,685~~ ~~a = 1,630~~

~~a =~~

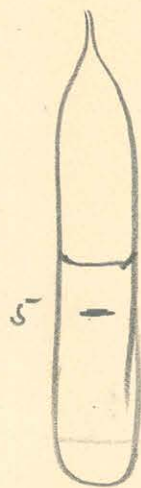
v =

$$v = 2997,96 + 1194,5 + 22,83$$

$$v = 4209,2$$

$$v + w = 8979,5$$

termp. 110,5°



$$\begin{array}{r} 96,24 \\ 88,68 \\ \hline 7,56 \end{array}$$

$$\frac{m}{r} = 6,43205 \quad \frac{m}{a} = 1,0371$$

$$a = 1,557 \quad a^2 = 2,425$$

✱

Menniscus leífogat $u = 20,55$ mm.

$$V = (05) + 45,731 \times 7,56 + \text{menniscus}$$

$$= 3910,74 + 345,73 + 20,55$$

$$\text{faj. terf.} = V = \underline{4277,02}$$

~~44~~ ~~9 vira~~ ~~335~~
12 ~~38 vira~~ ~~326~~

35 323

13 vira

16 322

38 vira

22

~~81 vira~~

~~81~~ ~~328~~
9 vira

5

92 vira 323 323

~~85~~ ~~18 vira~~ ~~333~~ m = 1,615

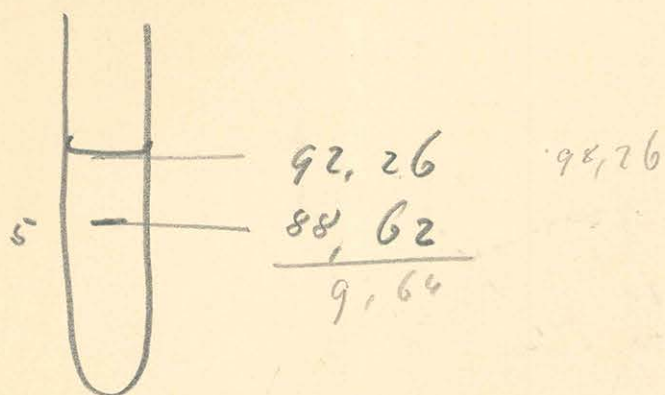
20 323

97 vira

0

27 vira 323

temp. 122,3



95
96 vima 299

99
98 dove 299 $m = 1,495$

$$\frac{m}{r} = 0,3998 \quad \frac{m}{a} = 1,0505$$

93
94 vima 299

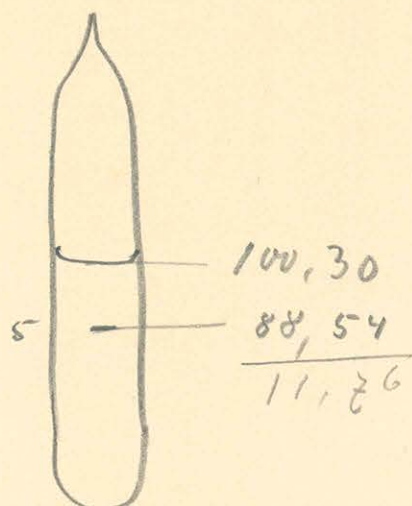
$$a = 1,423 \quad a^2 = 2,025$$

$$menkor = n = 18,36$$

$$\begin{aligned} v &= (05) + 45,740 \times 9,64 + n \\ &= 3911,91 + 440,94 + 18,36 \end{aligned}$$

$$\underline{v = 4371,21}$$

temp 133,7



$$\frac{m}{r} = 0,3771 \quad \frac{m}{a} = 1,0577$$

$$m = 1,410$$

$$a = 1,333 \quad a^2 = 1,777$$

$$\text{men } h' = u = \cancel{18,3} 16,84 \text{ körmm.}$$

$$V = (05) + 45,749 \times 11,76 + \text{men.}$$

$$= 3913,06 + 538,01 + 16,84$$

$$V = \underline{\underline{4467,91}}$$

<u>m</u>	
50	283
67 line vine	
68	280
48 line	
44	284
60 vine	
63	281
44 line	
41	283
58 vine	
61	282
43 line	
	282

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KÖNYVTÁRA

temp. 139,8

2 1/2 mm cső

2



101,58
88,42
13,16

menücs

80 265
45 265

42 269
73 269

76 265
41 265

36 266 m = 1,331
70 266

$$\frac{m}{v} = 0,2560 \quad \frac{m}{a} = 1,063$$

~~menücs~~ $a = 1,252 \quad a^2 = 1,568$

menücs $n = 15,07$

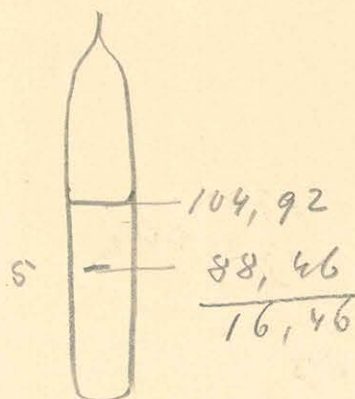
$$\begin{aligned} V &= (0,5) + 45,758 \times 13,16 + \text{menücs} \\ &= 3914,26 + 45,758 \times 13,16 + \text{menücs} \\ &= 3914,26 + 602,18 + 15,07 \end{aligned}$$

$V = 4531,51$

71 265
36 265

31 262
64 262
266,2

Temp. 152,5°



$$\frac{m}{r} = 0,3115 \quad \frac{m}{a} = 1,0694$$

$$a = 1,090 / a^2 1,187$$

$$u = 12,0$$

$$v = (05) + 16,46 \times 45,767 + \text{men.}$$

$$= 3915,43 + 750,20 + 12,0$$

$$v = 4677,63$$

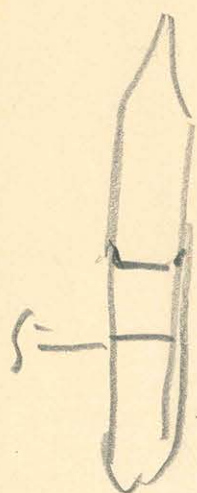
Mensur

$$\begin{array}{r} 73 \\ 6 \text{ line} \end{array} \quad 233$$

$$\begin{array}{r} 3 \\ 70 \text{ ring} \end{array} \quad 233$$

$$\frac{m}{\text{line}} 1,165$$

162°1



108,08

88,42

19,66

$$\frac{m}{r} = 0,27012$$

$$\frac{m}{a} = 1,0646$$

$$a = 0,9442$$

$$a^2 = 0,8916$$

$$\begin{array}{r} 78 \\ 80 \end{array} \begin{array}{l} 202 \\ 202 \end{array}$$

$$\begin{array}{r} 79 \\ 77 \end{array} \begin{array}{l} 202 \\ 202 \end{array}$$

$$m = 1,01$$

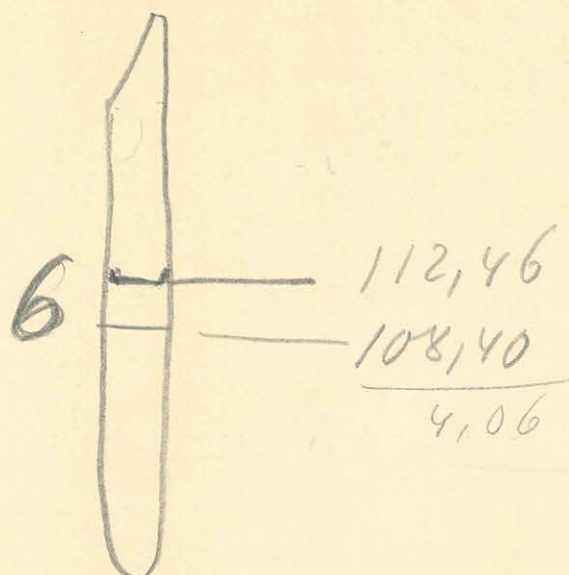
mein km liefert $u = 9,7$ km

$$v = (05) + 19,66 \times 45,777 + m \cdot$$

$$= 3916,60 + 899,99 + 9,7$$

$$v = 4826,29$$

171° 4



12, 159

71, 162

9, 159

65, 160

~~6~~ 9

$$\frac{m}{r} = 0,2142 \quad \frac{m}{a} = 1,0622$$

$$m = 0,80$$

$$a = 0,7522 \quad a^2 = 0,5673$$

$$\text{main line length } n = 6,7$$

$$v = (0,6) + 4,06 \times 45,943$$

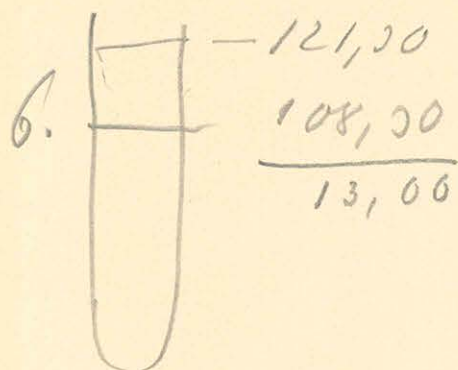
$$= 4826,26 + 186,53 + 6,7$$

$$v = 5019,49 \text{ kmm.}$$

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TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

Spinin chlorid 3 (3)

182° 8 C.



417
128,0

7,097
4

0 97
3

6,96 m = 0,485
2

$$V = (0.6) + 13,00 \times 45,953 + m.e.v.$$

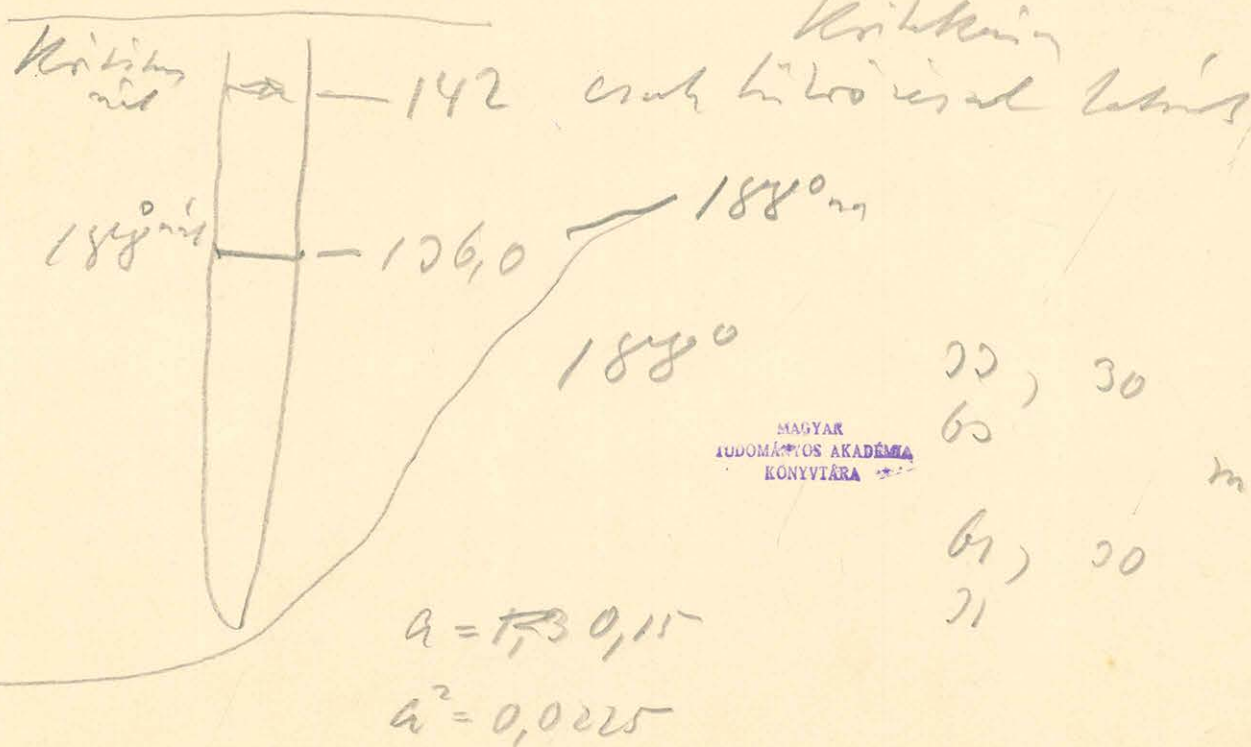
$$= 4837,83 + 4594,39 + 0,49$$

$$\begin{array}{r} 4837,83 \\ + 4594,39 \\ \hline 9432,22 \end{array}$$

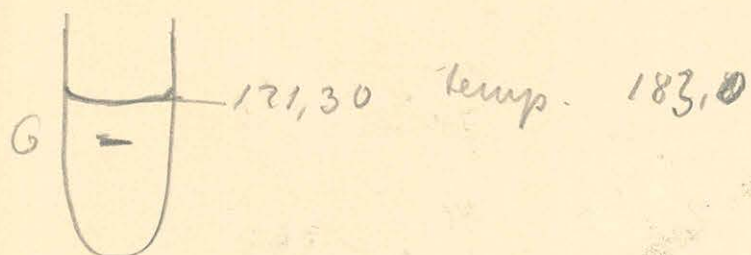
191,5 kritikus
10

192° kritikus

188° kritikus



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KÖNYVTÁRA

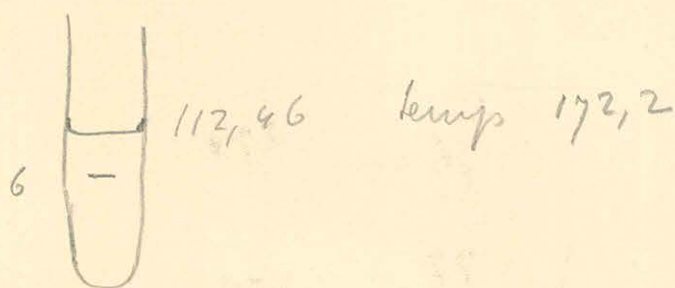


48 104 ~~452~~
44 vine

45 105
50 den

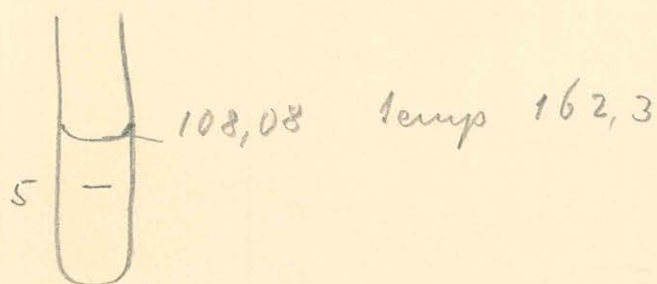
47 104
43 vine

104,3 m = 0,522



25 156
81 den

79 156 = m
23

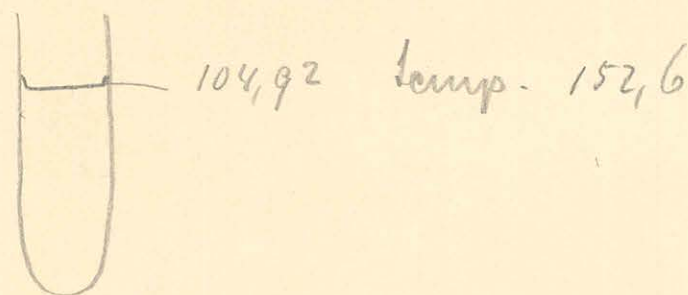


65 203
62 vine

63 202
65 den

63 202
61 vine

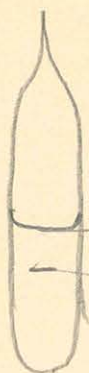
m = 1,01



52 234
23 vine

24 235
59 den

52 234
23 vine



107,58 temp. 138,9

45^e
78 vms 268

81
49 dms 268

47
79 vms 268

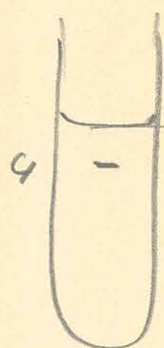


100,30 temp. 132,9

55
76 vms 279

79
58 dms 279

termp. 14,8 - 0,4



82, 68
69, 02

48

70 vira

428

~~22~~

21

49 dm

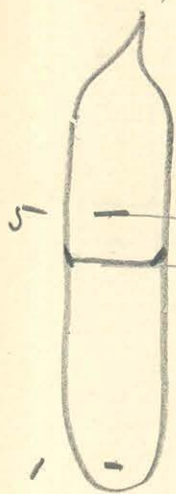
428

m = 2,140

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KÖNYVTÁRA

Megmérés 2. cső

$t = 16,0$



116,85	116,83	116,78	116,78	116,78	116,80
110,72	110,62	110,63	110,60	110,62	110,63
6,13	6,21	6,15	6,18	6,16	6,17

6/100 17 6,17



	123,76				
	115,52				
123,74	116,52	123,84	123,82	123,84	123,80
115,53	115,52	115,50	115,52	115,50	115,51
08,21	8,24	8,34	8,30	8,34	8,29

Kritikus 191,5

~~Glycerin~~

~~hossz + tömeg~~

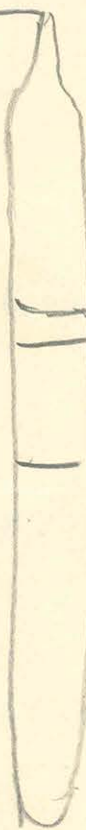
1172
8,29

$$C_{\text{cs}} + \text{hossz} - C_{\text{cs}} + \text{tömeg} = 2611,2$$

176,12

Glycerin

189,8



91,68

85,10

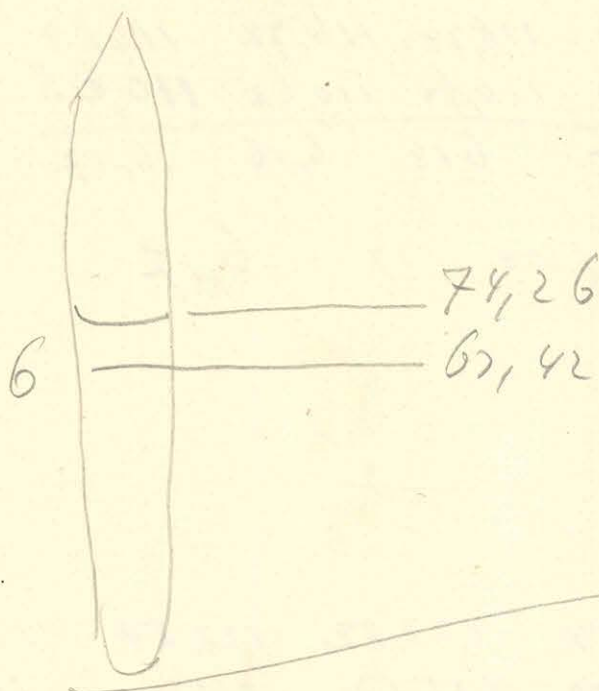
89,76

63,44

63,50

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KÖNYVTÁRA

183°3

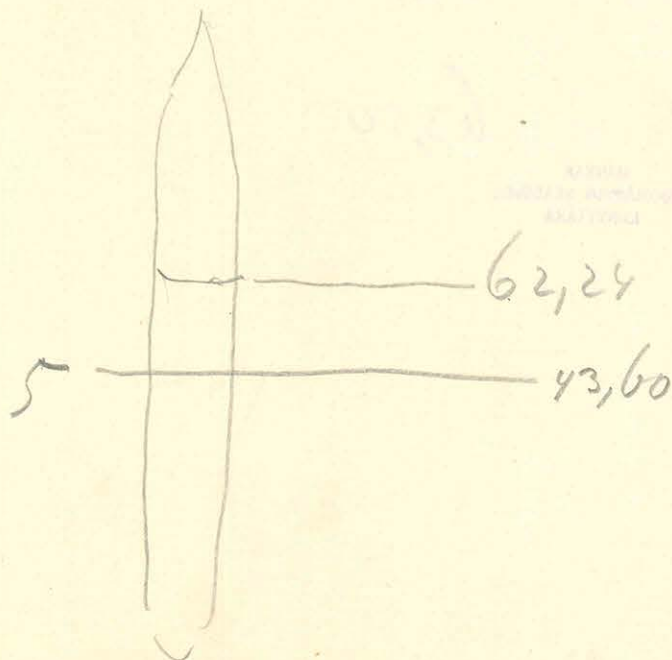


176,26

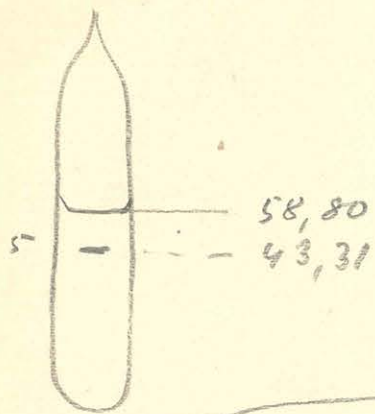
174°3



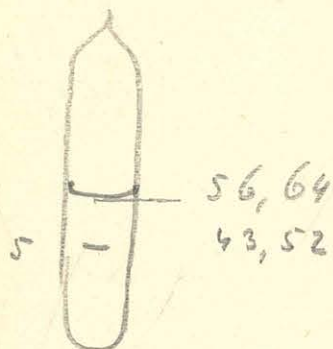
162°00



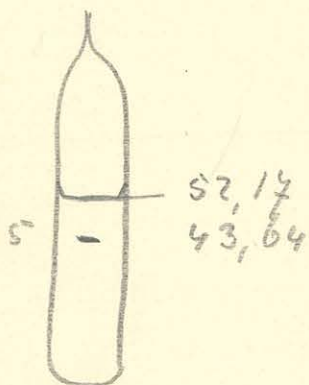
temperatura 150,5



temperatura 140,0



temperatura 120,0



56,64 temp. 140,2 91,68 temp. 189,5

58,80 temp. 150,0

62,24 temp. 160,5

67,50 temp. 172,8

74,26 temp. 181,5

Temperature 99,9 C.

from Kikaguchi, 1905

1/2 in. in.
spherical barograph

45,879

45,722

45,732

Circle

2297,07

1834,25

1833,45

1832,04

1160,77

Ömer barograph V = 8957,58

Trigonal etas titigata

$$V = (0,2) + (2,4) + 25,38 \times 45,722 + m$$

$$V = 4153,22 + m$$

$$r = 2,725$$

$$a = 1,652$$

$$\frac{x}{a} = 2,259 \quad \frac{h}{a} = 0,1076$$

$$m = \pi a^2 r - \pi r^2 h = 32,07 - 9,97 = 22,10$$

~~$$V = 4153,22$$~~

$$V = 4175,33$$

$$W = 4782,25$$

$$p = 2637,7$$

100°.

$$\Delta = \frac{p w' - p' w}{v w' - v' w}$$

$$\sigma = - \frac{p v' - p' v}{v w' - v' w}$$

$$\begin{array}{cc} \left(\begin{array}{c} p \\ s \ v \\ \sigma \ w \end{array} \right) & \begin{array}{c} s' \ v' \\ \sigma' \omega' \end{array} \\ p \ v \ w & v' \omega' p' \end{array}$$

$\frac{t}{t}$

$$\begin{array}{l} v s + w \sigma = p \\ v' s' + w' \sigma' = p' \end{array}$$



$$f = \frac{a^2}{2}(s - \sigma)$$

$$\frac{\Delta f \lambda^2}{T \Delta T} = \text{...}$$

$$z = \frac{a^2}{2} \left(\frac{1}{s_1} + \frac{1}{s_2} \right)$$

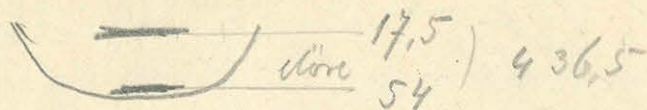
$$\frac{\mu}{s} = \lambda^3$$

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KÖNYVTÁRA

$$\left(\frac{z}{a} \right) = \frac{1}{2} \left(\frac{a}{s_1} + \frac{a}{s_2} \right)$$

$$\frac{a}{r} = \frac{a'}{r'}$$

$$\begin{array}{l} \frac{m}{a} = \frac{m'}{a'} \\ \frac{r}{a} = \frac{r'}{a'} \end{array} \quad \left(\frac{r}{m} = \frac{r'}{m'} \right)$$



előre 19,0
56,5) 437,5

víz 55,5
19,0) 436,5

előre 23,0
60,6) 437,0

víz 56,0
20,0) 436,0

előre 22,0
58,0) 436,0

víz 54,0
17,5) 436,5

előre 20,0
56,0) 436,0

víz 53,5
17,5) 436,0

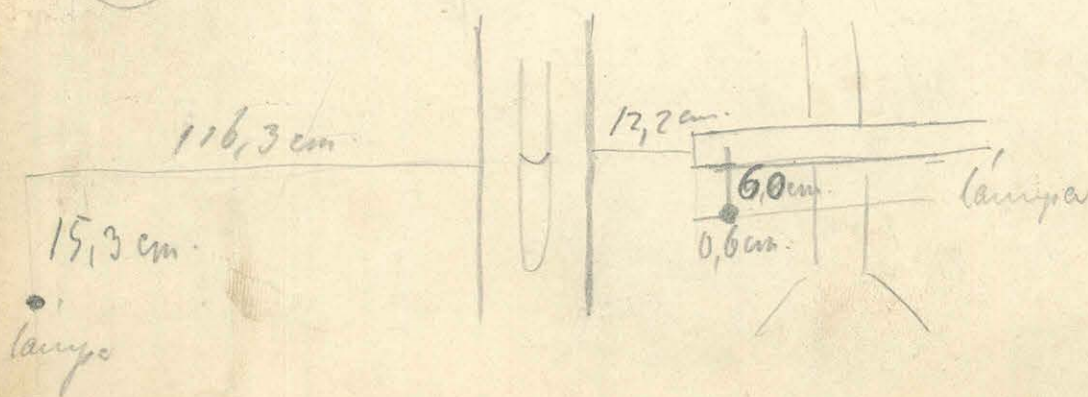
előre 20,5
56,5) 436,0

előre 542,0

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

-5	79,75	79,73	79,73	79,75	79,75
	74,91	74,93	74,91	74,93	74,94
-4	59,69	59,69	59,68	59,69	59,69

Keltetőmű



Ura vinea 1893. Mar. 10. Hjelmsåsen

kurv 15,2 Ellenor 536,8

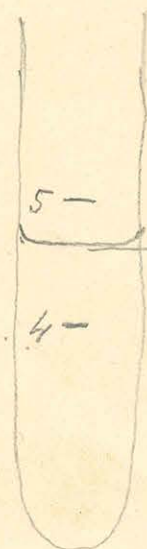
Ellenor 612,5

t = 159,9

di 57,0 | 482,5 di 63,0 480,5
39,5

vi 39,0 479,0 di 65,0 480,0 vi 41,0 479,5
60,0

di 66,5 | 480,0 di 43,5 479,5 di 66,5 480,0
46,5



5-	83,60	83,60	83,58
	72,40	72,38	72,38
4-	63,55	63,55	63,54

Torsioner

di 52,6 173,3 vi 46,0 173,2
45,9 52,8

di 52,5 173,5 vi 46,0 173,2
56,0 52,8

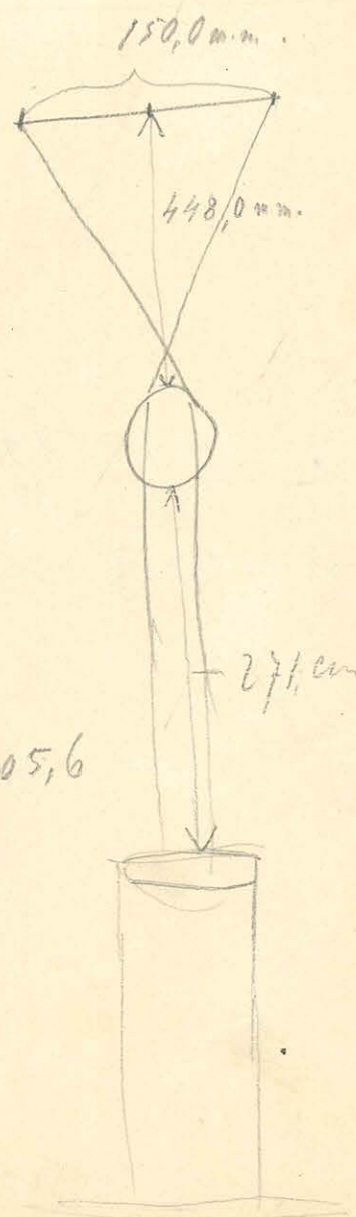
di 52,6 173,3
45,9

Ellenor 612,5

R. nylatins

di 17,5 705,5 vi 6,5 705,0 di 42,9 705,6
27,0 21,5 28,5

vi 10,0 705,8 di 43,5 705,0
24,2 28,5



cppt 1h. 30

app. is myaditive

Ellenat 5 598,0

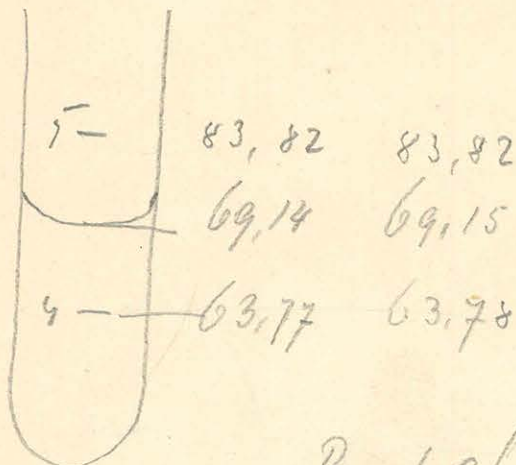
t=139,7

Torimurata

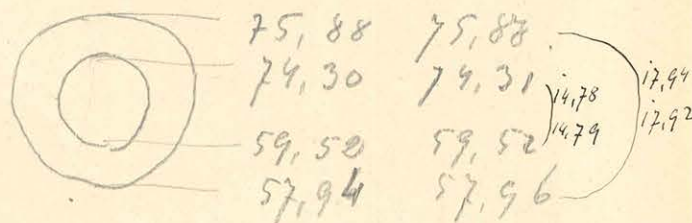
vin 45,9) 168,4 di 56,0) 168,7 in 46,0) 168,2
57,5

live 87) 498,0 in 76,0) 498,0 di 77,0) 497,0
79,0

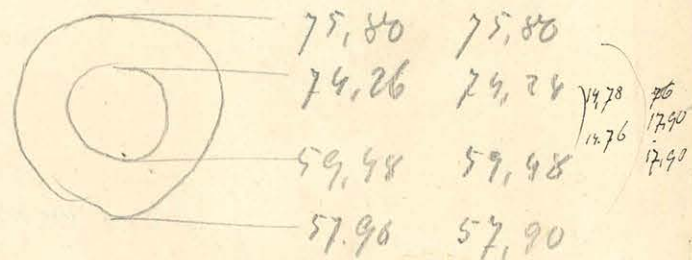
vin 87,0) 497,0 di 76,0) 497,5
84,0



R. r. man. abn.



90° val mypysh.



Rugel 9h. 20

Ellenat 5 597,5

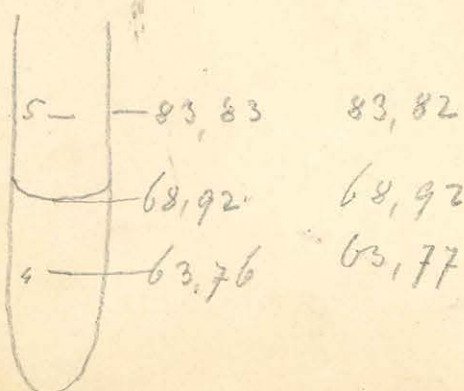
t=139,7 131,3

live 58,0) 503,0 in 55,0) 500,0 di 61,5) 499,0
61,0

vin 55,0) 500,0 di 63,5) 499,0 in 58,0) 499,0
55,0

live 65,0) 499,5
64,5

$$m = \left\{ \begin{array}{l} 10,0 \\ 9,0 \\ 10,0 \\ 9,0 \\ 9,0 \\ 9,5 \\ \hline 50,5 \end{array} \right\} = 499,5 = 24975 \text{ mm.}$$



Törzsmutató

$$\begin{array}{l} \text{d} \begin{array}{r} 57,0 \\ 45,2 \end{array} \begin{array}{r} 168,2 \\ \end{array} \quad \text{v} \begin{array}{r} 45,2 \\ 57,1 \end{array} \begin{array}{r} 168,2 \\ \end{array} \quad \text{d} \begin{array}{r} 57,0 \\ 45,5 \end{array} \begin{array}{r} 168,5 \\ \end{array} \end{array}$$

$$\text{v} \begin{array}{r} 45,5 \\ 57,2 \end{array} \begin{array}{r} 168,5 \\ \end{array}$$

Mennyi 11. évet 12 h. 20. . Elemek: 633,6

$$t = 239,4 - 214,7$$

$$\begin{array}{l} \text{d} \begin{array}{r} 3,0 \\ 54,0 \end{array} \begin{array}{r} 451,0 \\ \end{array} \quad \text{v} \begin{array}{r} 50,0 \\ 0,0 \end{array} \begin{array}{r} 450,0 \\ \end{array} \end{array}$$

$$\text{d} \begin{array}{r} 9,0 \\ 59,5 \end{array} \begin{array}{r} 450,5 \\ \end{array} \quad \text{v} \begin{array}{r} 54,0 \\ 3,0 \end{array} \begin{array}{r} 451,0 \\ \end{array}$$

$$m = \left\{ \begin{array}{r} 1,0 \\ 0,0 \\ 0,5 \\ 1,0 \\ 2,5 \end{array} \right\} = 450,5 = 2,2525$$

-5	83,32	83,32
	78,64	78,65
4	63,24	63,25

Törzsmutató

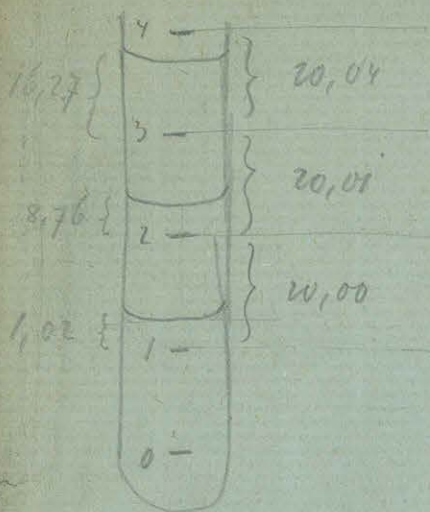
$$\begin{array}{l} \text{d} \begin{array}{r} 45,0 \\ 42,1 \end{array} \begin{array}{r} 177,1 \\ \end{array} \quad \text{v} \begin{array}{r} 42,2 \\ 45,0 \end{array} \begin{array}{r} 177,2 \\ \end{array} \quad \text{d} \begin{array}{r} 42,2 \\ 40,0 \end{array} \begin{array}{r} 177,8 \\ \end{array} \end{array}$$

$$\begin{array}{r} 42,2 \\ 44,5 \end{array} \begin{array}{r} 177,7 \\ \end{array}$$



Phthalat

1. naini csi

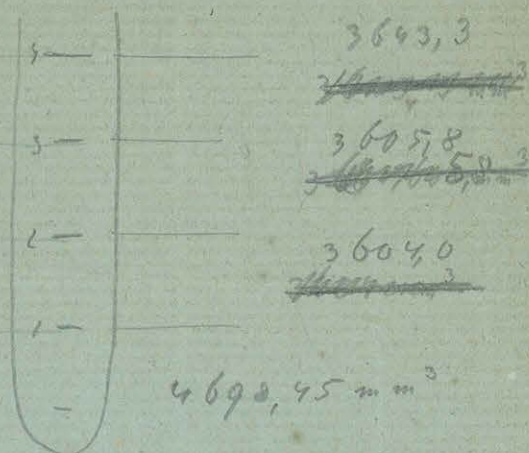


$$1 \text{ mm} = 187,8 \text{ mm}^3$$

$$(2,25959)$$

$$1 \text{ mm} = 180,2 \text{ mm}^3$$

$$(25575)$$



3643,3

~~3643,3~~

3605,8

~~3605,8~~

3604,0

~~3604,0~~

4698,45 mm³

Alkohol meniscus korrigálás

$$u = a^2 \pi - r^2 \pi h$$

$$r = 7,52$$

$$17,7^\circ \text{ nat} \quad a^2 = 5,766 \quad a = 2,401$$

$$\frac{r}{a} = 3,132 \quad \frac{h}{a} = 0,0433$$

$$h = 0,1040$$

$$u = 136,22 - 18,47 = 117,75 \text{ Kcm}^3$$

$$27 \quad \frac{180,2 \times 20}{3604,0}$$

$$\frac{187,8 \times 20,04}{3643,3}$$

korrig. 294,7

meniscus korrigálás

$$u = a^2 \pi - r^2 \pi h$$

$$a^2 = 4,153 \quad \frac{r}{a} = 3,690 \quad \frac{h}{a} = 0,0207 \quad h = 0,0422$$

$$u = 98,12 - 7,50 = 90,62 \text{ mm}^3$$

$$\text{A felfedek korrigálás} = (03) + 4,14 \times 187,8 \text{ mm}^3 + \text{meniscus}$$

$$= 11908,3 + 752,7 + 90,62$$

$$\underline{\underline{V = 12751,6 \text{ Kcm}^3}}$$

$$\text{Lemp} = 224,0$$

$$a^2 = 5,099$$

$$\frac{r}{a} = 3,330$$

$$\frac{h}{a} = 0,0332$$

$$h = 0,0750$$

$$u = 120,47 - 13,32 = 107,15 \text{ m}$$

$$\text{Fogadéi kerfajal } V = (03) - 0,89 \times 180,2 + \text{mennyiség}$$

$$= 11908,3 - 160,4 + 107,15$$

$$\underline{V = 11855,1}$$

$$\text{Lemp} = 148,1$$

$$a^2 = 6,121$$

$$\frac{r}{a} = 3,040$$

$$\frac{h}{a} = 0,0489$$

$$h = 0,1210$$

$$u = 144,60 - 21,50 = 123,10$$

$$\text{Fogadéi kerfajal } V = (02) + 14,78 \times 180,2 + \text{mennyiség}$$

$$= 8302,5 + 2663,3 + 123,1$$

$$\underline{V = 11088,9}$$

$$\text{Lemp} = 134,2$$

$$a^2 = 6,305$$

$$\frac{r}{a} = 2,995$$

$$\frac{h}{a} = 0,0519$$

$$h = 0,1303$$

$$u = 149,95 - 23,15 = 126,8$$

$$\text{Fogadéi kerfajal } V = (02) + 14,20 \times 180,2 + \text{mennyiség}$$

$$= 8302,5 + 2558,8 + 126,8$$

$$\underline{\underline{V = 10988,1}}$$

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Xp. kerrylaminus con. unis. con.

Taraval

	5.8
4.3	5.8
4.3	5.8
<hr/>	
4.3	5.8

$$E_{\text{pump}} = \frac{10.1}{2} = 5.05$$

Luffal

Wetlyu 34,690

	5.2
4.1	5.2
4.1	5.2
<hr/>	
4.1	5.2

$$E_{\text{pump}} = \frac{9.3}{2} = 4.65$$

Wetlyu 34,685 gr.

4.6	7.3
4.6	7.2
4.7	
<hr/>	
4.63	7.25

4 low
5 mg = 1.29 out
1 mg = 3.9 mg
0.4, 0.005 = 2 mg

Cs. unis. = 34,688

$$E_{\text{pump}} = \frac{11.88}{2} = 5.94$$



3	57.84	57.83
	52.20	52.20
2	37.86	37.86
1		
0		

10 cm³ alcohol

Lus 15.2

Luffal

Taraval

4.2	5.6
4.3	5.6
4.3	
<hr/>	
4.27	5.6

$$E_{\text{pump}} = \frac{9.87}{2} = 4.94$$

Wetlyu 47,420 gr.

4.6	6.7
	6.7
4.7	6.7
<hr/>	
4.65	6.7

$$E_{\text{pump}} = \frac{11.35}{2} = 5.68$$

5 mg = 1.29 out
1 mg = 3.9 mg
0.57" = 2"

Wetlyu 47,125 gr.

3.7	5.0
3.7	5.0
3.8	
<hr/>	
3.73	5.00

$$E_{\text{pump}} = \frac{8.73}{2} = 4.37$$

Cs. + Kerike + dugo + alcohol = 47,123 gr.
Cs. + alcohol = 42,792



~~82,47~~ ~~82,47~~ 92,45 92,45
~~83,69~~ 83,69 83,71
 72,47 72,48

hny 15,4

16 cm átmérő

Szűzöl

Törzsvál

Műhely 51,980 gr.

Műhely

4,2 5,0

4,2 5,6

1 cső = 3,9 mg
0,27 cső = 1 mg

4,3 5,0

4,2 5,6

Cs² + karrak + dny + alkohol = 51,981 gr

3,3

4,3

Cs² + alkohol = 47,650

4,2 5,0

4,23 5,60

Egyes = 4,65

Egyes = $\frac{9,83}{2} = 4,92$

A karrak + dny szűz

Szűzöl

Törzsvál

Műhely 4,330

Műhely 4,335 gr.

4,8 5,7

4,1

4,8 5,7

4,7

4,8 5,7

4,1

4,7

4,8 5,7

4,1

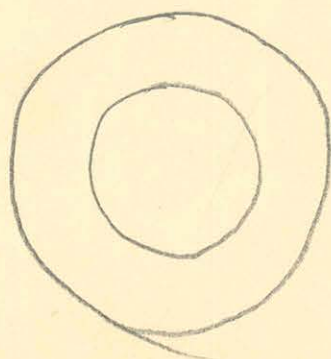
4,7

Egyes = $\frac{10,5}{2} = 5,25$

4,25 7,03

Egyes = $\frac{8,80}{2} = 4,40$

Egyes = $\frac{11,28}{2} = 5,64$

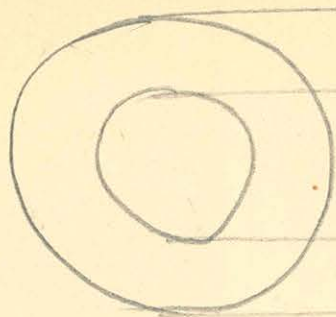


5 mg = 1,24 mg
 1 mg = 0,40 mg
 0,29 mg = 0,1 mg

Karrak + dny szűz = 4,331 gr.

A alkohol szűz = 0,814

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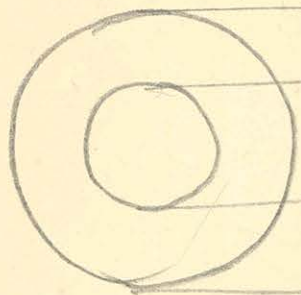
82,89 84,90

81,39 81,40

66,39 66,39

64,92 64,92

90° rad pygma.



84,97 81,98

80,40 80,40

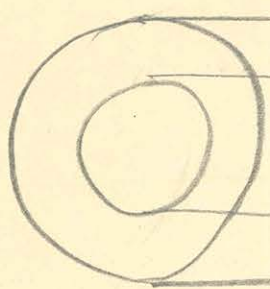
66,39 66,38

64,83 64,83

14,01 14,02 } 17,14 . 17,15

90° rad pygma

2r = 14,00



84,95

80,29

~~66,33~~

~~64,68~~

66,31

64,68

17,27

84,95

80,30

66,31

64,68

17,27

13,98 13,99

Csö + diphteramin

<u>Tartal</u>	<u>lypd</u>	<u>lypd</u>
	<u>Merleg 46,170 gr.</u>	<u>Merleg 46,175 gr.</u>
4,7	7,2	5,2
4,3 4,7	7,2	5,2
4,3 4,7	7,2	5,2
<u>4,3 4,7</u>	<u>7,2</u>	<u>5,2</u>
Egyes = 4,56	Egyes = $\frac{11,7}{2} = 5,85$	Egyes = $\frac{9,05}{2} = 4,53$

$$\begin{aligned} \text{Csö} + \text{diphteramin} &= 46,175 \text{ gr.} \\ \text{Csö} + \text{levegő} &= 34,688 \text{ gr.} \end{aligned}$$

$$\begin{aligned} \text{Diphteramin} - \text{levegő} &= 11,487 \text{ gr.} \\ \text{levegő} &= 0,014 \text{ gr.} \end{aligned}$$

$$\underline{\underline{\text{Diphteramin.} = 11,501 \text{ gr.}}}$$

Eatw

He

E

$$\begin{array}{r} 2 \ 80 \ 81 \\ 1 \ 99 \ 78 \\ 1' \ 21 \ 78 \end{array} \quad \begin{array}{r} 1' \ 25 \\ 1 \ 3,5 \\ 2 \ 83,5 \end{array} \quad \begin{array}{r} 178,5 \\ 80 \end{array}$$

$$\begin{array}{r} 79 \ 80 \\ 99 \ 78 \\ 21 \ 78 \end{array} \quad \begin{array}{r} 25 \\ 3 \\ 83 \end{array} \quad \begin{array}{r} 78 \\ 80 \end{array}$$

$$\begin{array}{r} 80 \ 81 \\ 99 \ 78 \\ 21 \ 78 \end{array} \quad \begin{array}{r} 25 \\ 3 \\ 83 \end{array} \quad \begin{array}{r} 78 \\ 80 \end{array}$$

$$\begin{array}{r} 80 \ 80 \\ 0 \\ 22 \ 78 \end{array} \quad \begin{array}{r} 25 \\ 3 \\ 82,5 \end{array} \quad \begin{array}{r} 78 \\ 79,5 \end{array}$$

$$\begin{array}{r} 80 \ 80 \\ 0 \\ 22 \ 78 \end{array} \quad \begin{array}{r} 25 \\ 3 \\ 83 \end{array} \quad \begin{array}{r} 78 \\ 80 \end{array}$$

$$\begin{array}{r} \text{hisp} \ 2, \ 80,15 \\ 1' \ 78,05 \end{array}$$

$$\begin{array}{l} \delta_2 = 66^\circ 54' \\ \delta_1 = 81^\circ 57\frac{1}{2}' \end{array} \quad \begin{array}{l} x_2 - x_1 = 0,4092 \\ x_2 - x_1 = 0,4016 \\ x_1 - x_1' = 0,3904 \end{array}$$

$$\begin{array}{l} a_{12} = 2,7159 \\ a_{21} = 2,7902 \end{array}$$

hisp klyudy Sakhovsk

$$\begin{array}{r} 80,15 \\ 80,5 \\ 80,65 \end{array} \quad \begin{array}{r} 2,1 \\ 2,1 \end{array}$$

$$\begin{array}{r} 78,1 \\ 78,45 \\ 78,6 \end{array}$$

$$\delta_1' = 98^\circ 25'$$

reflectio hlydy
14' 40"

10182

9033

366

251,3

114,7

867

1019

$$N_{12} = 0,14789$$

$$N_{11'} = 0,14299$$

364,8

250,1

1147

904,3

$25,5 \mid 7,80$ $80,5$
 $3,5$ $0,5 \mid 80$
 $83,0 \mid 79,5$ $22,0 \mid 78,5$

$25 \mid 78$ $80,5 \mid 80,5$
 3 0
 $82,5 \mid 79,5$ $21 \mid 79$

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Pikkalsav kőris mutatója

$$2R = 17,92 \text{ mm.}$$

$$2r = 14,78$$

$$a = 75,0 \text{ mm.}$$

$$R = 8,96$$

$$r = 7,39$$

$$l = 448,0 \text{ mm.}$$

Ellenőrzés 597,5 $\text{Levegő} = 132$

$$\cancel{x = 444,4} \quad \delta = 45,070^\circ \quad \delta = 13,803$$

$$R = 705,4 \quad \varepsilon - \delta = 0,134^\circ \quad \varepsilon - \delta = 0,045$$

$$x = 168,3 \quad \varepsilon = 45,204^\circ \quad \varepsilon = 13,848$$

$$\delta = 10,254^\circ \quad \delta = 9,621$$

$$\rho - \gamma = 6,446 \quad \rho - \gamma = 1,1937^\circ$$

$$\underline{n = 1,526}$$

Ellenőrzés 633,6

Levegő 214

$$x = 177,5$$

$$\delta = 14,574$$

$$\varepsilon - \delta = 1,057$$

$$\varepsilon = 14,631$$

$$\delta = 9,658$$

$$\underline{n = 1,486}$$

$$3,012$$

$$1,506$$

$$1,333 : 1,506 = \underline{0,885}$$

$$1,2048$$

$$1,2820$$

$$1,2048$$

$$\underline{7720}$$

$$14,3 \times 0,885$$

$$3540$$

$$2655$$

$$126555$$

$$14,3$$

$$\underline{1,6}$$

$$0,885 \times 3,9$$

$$2655$$

$$7965$$

$$34515$$

$$3,9$$

$$\underline{0,45}$$

$$78,64$$

$$68,92$$

$$147,56$$

$$73,78$$

$$78,64$$

$$\underline{4,86}$$

$$0,5$$

$$14,3$$

$$13,8$$

$$0,885 \times 13,8$$

$$2655$$

$$7080$$

$$122130$$

$$14,3$$

$$\underline{2,1}$$

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KÖNYVTÁRA

1893. március 8

Uj platina ellenálló (Erdmész mértékben 20km)

blovd' jez ben 535,5 temp 0,0°
Torro vgy ben 589,9 temp 99,0

Baromet 748,1 temp 17,0

$$w_t = w_0 (1 + \alpha t + 0.000000594 t^2)$$

$$w_0 = 2.2760$$

$$w_t = 2.8493 \quad t = 99,5$$

$$10.5733 = 0.75838-1$$

$$1 w_0 = 0.35717$$

$$0.40121-1$$

$$t = 7.99782$$

$$0.40339-3$$

$$535.5 = 2.72835$$

$$1464.5 = 2.66699$$

$$0.06136$$

$$30103$$

$$0.36241$$

$$w_0 = 2.3036$$

$$0.276$$

$$2.2760$$

$$1599.9 = 2.77078$$

$$1410.1 = 2.61289$$

$$0.15789$$

$$30103$$

$$0.45892$$

$$w_t = 2.8769$$

$$0.276$$

$$2.8493$$

$$\alpha = 0.002516$$

$$000059$$

$$0.002457$$

$$0.594 = 0.77379-7$$

$$1.99782$$

$$97$$

$$0.77161-5$$

$$\alpha = 0.002457$$

$$t = 15.2 \quad w_t = 536.8 \quad 2 = 2.3188$$

$$276$$

$$1536.8 = 2.72987$$

$$1763.1 = 2.66577$$

$$0.06404$$

$$30103$$

$$0.36507$$

$$12.2902 = 0.35988$$

$$11.0375 = 0.01593$$

$$0.34395$$

$$w_0 = 2.2078$$

$$1d = 0.39041-3$$

$$1t = 1.18184$$

$$0.57225-2$$

$$1.03735$$

$$1d = 0.78082-6$$

$$0.0000060370$$

$$0.7894$$

$$52476 = 0.71996-6$$

$$1v = 0.35998-3$$

$$v = 0.0022907$$

$$2457$$

$$0.000166 = 0.22011-4$$

$$0.7482-6$$

$$19529$$

$$8147.5 = 2.77634$$

$$1402.5 = 2.60477$$

$$0.17157$$

$$30103$$

$$0.47260$$

$$2.9689$$

$$0.276$$

$$2.9413$$

$$2.2078$$

$$10.7335 = 0.88540-1$$

$$1 w_0 = 0.34395$$

$$0.52145-1$$

$$60206$$

$$77379-7$$

$$0.89730-7$$

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$$77379-7$$

$$30103$$

$$0.7482-6$$

$$t = 139.7$$

$$t = 131.3$$

$$633.6 = 2.80182$$

$$8366.4 = 2.56396$$

$$0.23786$$

$$30103$$

$$0.53889$$

$$3.4585$$

$$276$$

$$3.4309$$

$$2.2078$$

$$1.2231 = 0.08746$$

$$34395$$

$$0.74351-1$$

$$60206$$

$$77379-7$$

$$0.11936-6$$

$$t = 214.7$$

$$0000060370$$

$$13163$$

$$247207 = 0.67400-6$$

$$1v = 0.33700-3$$

$$v = 0.002173$$

$$2457$$

$$0000284 = 0.45332-4$$

$$0.7482$$

$$37850$$

$$t =$$

$$t = 239.1$$

$$\begin{array}{r}
 2012,5 = 2,78711 \\
 1387,5 = 2,58827 \\
 \hline
 0,19884-1 \\
 30103 \\
 \hline
 0,49987
 \end{array}$$

$$\underline{\underline{159.9}}$$

$$\begin{array}{r}
 3,1614 \\
 276 \\
 \hline
 3,1338 \\
 2,2078 \\
 \hline
 20,9260 = 0,96661-1 \\
 34395 \\
 \hline
 0,61066-1 \\
 60206 \\
 \hline
 77379.7 \\
 \hline
 0,98651-7
 \end{array}$$

$$\begin{array}{r}
 8080060370 \\
 9694 \\
 \hline
 70064 = 0,84549-6 \\
 17 = 0,42275-3
 \end{array}$$

$$\begin{array}{r}
 2647 \\
 2457 \\
 \hline
 0190 = 0,27875 \\
 07482 \\
 \hline
 20393
 \end{array}$$

A 2. számú víz, és szufa víz

Taróval

7,4
4,3 7,4
4,3 7,3
4,30 7,37

sz | víz

$$\frac{11,67}{2} = 5,84 \text{ egyenl}$$

Szufa

3,4 4,4
3,4 4,4
3,4 4,4

Mérlegem 58,410 gr.

Egyenl = 3,90

6,5
4,3 6,3
4,3 6,2
4,3 6,2
4,3 6,2
6,3 6,22

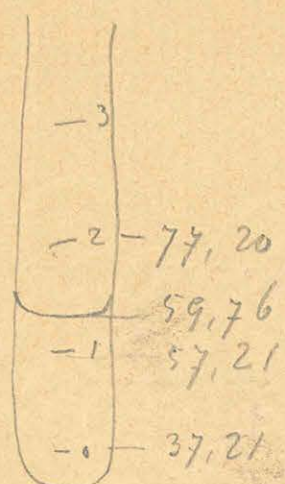
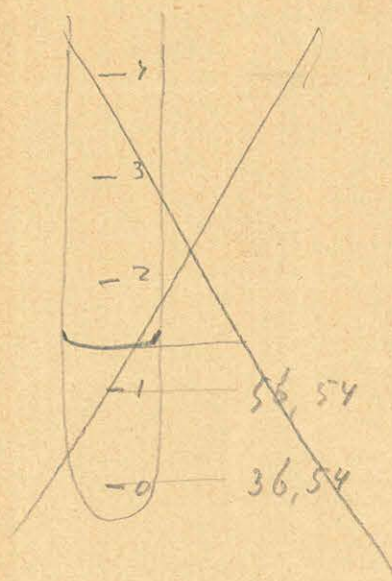
Mérlegem 58,415 gr.

$$\text{Egyenl} \frac{10,52}{2} = 5,26$$

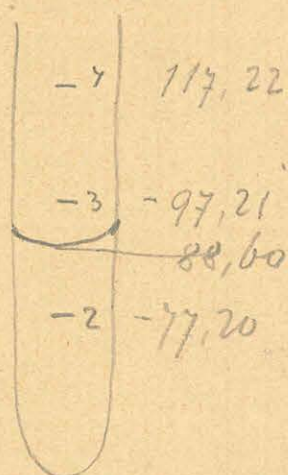
Levegő = 6,0

A víz, és szufa = 58,414 gr.

A 2. nívósu calibráció



5 cm³



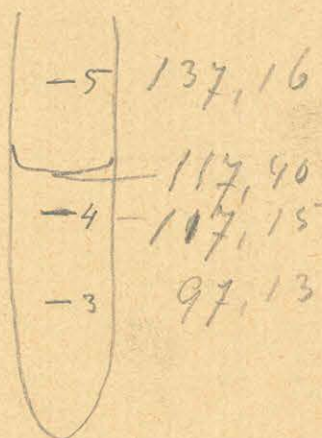
117,16

97,15

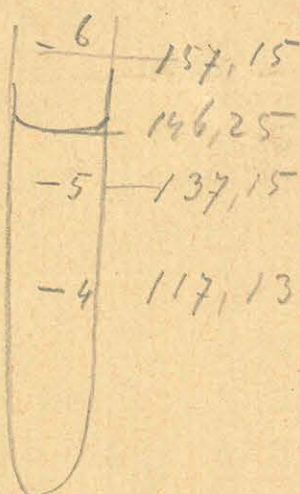
~~88,54~~

77,14

10 cm³



15 cm³



20 cm³

temp = 17,8

A 2. számú mérésről 20 cm³ vizet

Tartalom



4,3 4,7
4,3 4,6
4,3 4,6

4,36 4,63

$$\frac{8,93}{2} = \underline{\underline{4,47}} = \text{Egyenlet}$$

Súly

5,3
3,6 5,3
3,6 5,3

3,6 5,3

$$\frac{8,9}{2} = \underline{\underline{4,45}} = \text{Egyenlet}$$

$$\text{Mérték} = \underline{\underline{78,450 \text{ gr}}}$$

$$\underline{\underline{A \text{ mérés} + \text{viz} = 78,449 \text{ gr.}}}$$

$$\text{Súly} = \underline{\underline{6,1^{\circ}}}$$



4,6 7,2
4,6 7,2
4,7

$$\text{Mérték} = \underline{\underline{78,450 \text{ gr}}}$$

$$\text{Egyenlet} = \frac{4,63-7,2}{2} = \frac{11,83}{2} = \underline{\underline{5,91}}$$

$$\text{Mérték} = \underline{\underline{78,445 \text{ gr}}}$$

3,2 5,9
3,2 5,8

$$\text{Egyenlet} = \frac{9,01}{2} = \underline{\underline{4,53}}$$

3,3

3,22 5,85

2. naini eső phthalas anhydrid.

Tardval

4,5
7,6
4,5
7,5
4,6
7,5
4,6

4,55 7,53

$$\text{Egyenlő} = \frac{12,08}{2} = 6,04$$

Luppl

4,8
9,1
4,9
9,0
5,0
8,9
5,1

4,95 9,0

$$\text{Munka} = 78,420 \text{ gr.}$$

$$\text{Egyenlő} = \frac{13,95}{2} = 7,98$$

Munka 78,425 gr.

6,7
4,6 6,7
4,7 6,6
4,7 6,6

4,67 6,65

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

$$\text{Egyenlő} = \frac{11,32}{2} = 5,66$$

$$\text{Úvegcső} + \text{phthalas anhydrid} = 78,426 \text{ gr.}$$

$$\text{Úvegcső} \text{ súlya} = 58,414 \text{ gr.}$$

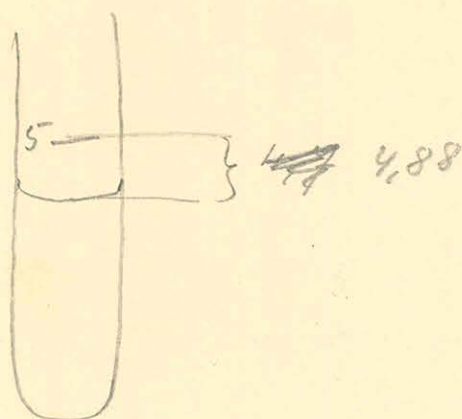
$$\text{Phthalas anhydrid} = 20,012 \text{ gr.}$$

Phthalsav újra melegítve

Ezen ejjel melegítve

1893. Máj. 15. reggel.

Ellenérték 633,0



Isolútán 3h.

Ellenérték 598,3

